

### REMARKS/ARGUMENTS

The claims have been amended to overcome the objections thereto and the rejections thereof under 35 U.S.C. §§ 102 and 112. Claims 1 and 2 now specify that the subject matter is a high energy wave absorber of an ultraviolet ray or an electron beam, the absorber being a water-soluble derivative obtained by the indicated processing of poultry feathers. Claim 1 specifies that the derivative (MFP) has an emission at 430 nm (maximum) upon irradiation which is supported in the specification at page 16, line 22 to page 17, line 2 (Example 1). The high energy wave absorber of Claim 2 is stated to have an emission at 370 nm (maximum) and 680 nm (medium) upon irradiation with UV-C based upon the disclosure in the specification at page 22, lines 3-6 (Example 2). Claim 1 now reads so that step (2) does not read on itself and the phrase “to break disulfide bonds” is used in place of “desulphurization”. The claims before the Examiner are Claims 1-9.

There are two aspects of the invention, MFP and UVP; see page 8, lines 3-8. Claims 1 and 2 are directed respectively to these aspects.

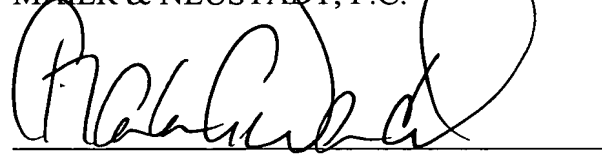
The rejection of Claims 1-9 under 35 U.S.C. § 102 as anticipated by the water-soluble keratin derivatives in Kuniomi et al. (1990), Homonoff et al. (2001) and Yoshioka et al. (1981), if applied to the claims as amended, is respectfully traversed. As indicated above, Claims 1 and 2 have been revised to indicate specific features and properties of the high energy wave absorber of the present invention, characteristics not taught or suggested by the cited art. The references do not teach or suggest a material with the stated emission values. The rejection should be withdrawn.

The Examiner is thanked for acknowledging receipt of a copy of the certified copy of the priority document and for listing references submitted with an Information Disclosure Statement.

The Examiner is requested to telephone the undersigned if additional changes are required in the case prior to allowance.

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND,  
MAIER & NEUSTADT, P.C.

A handwritten signature in black ink, appearing to read 'Richard L. Treanor', is written over a horizontal line.

Richard L. Treanor  
Attorney of Record  
Registration No. 36,379

Charles A. Wendel  
Registration No. 24,453

Customer Number  
**22850**

Tel: (703) 413-3000  
Fax: (703) 413 -2220  
(OSMMN 03/06)